



S62	5	("5902690"   "6165607"   "6219212").PN. OR ("6724027").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/13 13:48
S63	9	mram (passiv\$5 with (diamond or DLC or carbon))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S65	23	("5496759"   "5569617"   "5587943"   "5756366"   "5982658"   "6028786"   "6136705"   "6153443"   "6338899"   "6379978"   "6391658").PN. OR ("6627913").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/13 13:48
S66	8	mram same ((diamond-like" or (diamond adj like) adj carbon) or DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S67	62	("4791604"   "5541868"   "5640343"   "5695864"   "5734605"   "6069820"   "6072382"   "6130835").PN. OR ("6331944").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/13 13:48
S68	0	((passiv\$5 or shield\$3 or cap\$4) with ((diamond-like" or (diamond adj like) adj carbon) or DLC)) same ((bit or word or write) adj2 (conductor or electrode or line))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S69	128	((passiv\$5 or shield\$3 or cap\$4) with ((diamond-like" or (diamond adj like) adj carbon) or DLC)) ((bit or word or write) adj2 (conductor or electrode or line))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S70	19	((passiv\$5 or shield\$3 or cap\$4) with ((diamond-like" or (diamond adj like) adj carbon) or DLC)) ((bit or word or write) adj2 (conductor or electrode or line)) with (passiv\$5 or shield\$3 or cap\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S71	34	((diamond-like" or (diamond adj like) adj carbon) or DLC) with ((bit or word or write) adj2 (conductor or electrode or line))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48

S72	6	(amorphous adj carbon adj film) with ((bit or word or write) adj2 (conductor or electrode or line))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S73	24	((amorphous adj carbon adj film) or (diamond adj like adj carbon)) same ((bit or word or write) adj2 (conductor or electrode or line))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S74	6	("6211090"   "6548849"   "6556473"   "6797536").PN. OR ("7041603").URPN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S75	0	miram with overlayer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S76	9	miram same overlayer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S78	61	(passiv\$5 or (diamond or DLC or carbon) ((wiring or conduct\$2 or ((write or bit or word) adj (line or conduct \$2))) with ??nm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S80	0	passiv\$5 with magnetic with memory (passiv\$5 with ?? nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S81	0	passiv\$5 with magnet\$2 with memory (passiv\$5 with ?? nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48
S82	0	passiv\$5 with magnet\$4resist \$4 with memory (passiv\$5 with ??nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 13:48



S77	18	(("6653665") or ("6617658") or ("6632723") or ("6807086") or ("6760250") or ("6861752") or ("6927468") or ("7148550") or ("6764865") or ("6947314") or ("6909130") or ("7141842") or ("7061032") or ("7135735") or ("7061036") or ("7262449") or ("6984865") or ("6822896")).PN.	US-PGPUB; USPAT; USOOR	OR	OFF	2009/11/13 13:48
S79	2	("7029924").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/13 13:48
S86	520	(protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) same magnetoresist\$4 same thickness	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 14:08
S87	5	(protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) same (magnetoresist\$4 near2 memory) same thickness	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 14:08
S88	6	(protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) same (magnetoresist\$4 near2 memory) same (thickness or dimensions)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 15:29
S89	4	("6211090"   "6548849"   "6556473"   "6797536").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2009/11/13 16:03
S90	361	(protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) same magnetoresist\$4 same thickness (" nm" or ".mu.m")	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 16:04
S91	950	(protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) same ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m")	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 16:05

S92	152	((protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) with (" nm" or ".mu. m") same ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 16:05
S93	22	((protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) with (" nm" or ".mu. m") same ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m") (dlc or (diamond adj like adj carbon))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 16:13
S95	29	S92 S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/13 16:24
S94	5298	((257/421) or (365/158,171,173)).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/13 16:24
S96	1	(10/255847).APP.	USPAT; USOCR	AND	ON	2009/11/13 16:26
S97	2	("7473951").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/14 12:05
S98	22	((protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) with (" nm" or ".mu. m" or ".ang.") same ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang.") (dlc or (diamond adj like adj carbon))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 12:07
S99	152	((protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) with (" nm" or ".mu. m" or ".ang.") same ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang.")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 12:07

S100	88	((protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) with (" nm" or ".mu.m" or ".ang.") same (((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) with (" nm" or ".mu.m" or ".ang."))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 12:07
S101	2	("7394122").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/14 12:34
S102	62	((protect\$3 or coat\$3 or passivat\$3) near3 (coat\$3 or layer) with ((write or bit) adj line) (((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang."))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 13:37
S103	34	((protect\$3 or coat\$3 or passiv\$5) near3 (coat\$3 or layer) with ((word or write or bit) adj line) same (((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang."))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 13:53
S104	90	((protect\$3 or coat\$3 or passiv\$5) near3 (coat\$3 or layer) with ((word or write or bit) adj line) (((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang."))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 13:53
S105	228	((protect\$3 or coat\$3 or passiv\$5) with ((word or write or bit) adj line) (((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang."))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 13:54
S106	115	((protect\$3 or coat\$3 or passiv\$5) with ((word or write or bit) adj line) same (((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr) (" nm" or ".mu.m" or ".ang."))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 13:54
S107	1	(10/519895).APP.	USPAT; USOCR	AND	ON	2009/11/14 13:56

S108	10	("20010021089"   "20020003684"   "20020050632"   "20030099069"   "5880910"   "5902690"   "6648990"   "6717845"   "6943993").PN. OR ("7336556").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/14 13:56
S110	56	("5902690").URPN.	USPAT	AND	ON	2009/11/14 13:58
S109	2	("5902690").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/14 13:58
S111	1	(10/235810).APP.	USPAT; USOCR	AND	ON	2009/11/14 14:13
S112	10513	((protect\$3 or coat\$3 or passiv\$5) with (DLC or diamond\$1like\$1carbon or (diamond adj like adj carbon))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:19
S113	382	((protect\$3 or coat\$3 or passiv\$5)) with ((word or write or bit) adj line) ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:19
S114	1	S112 S113	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:19
S115	687	((protect\$3 or coat\$3 or passiv\$5)) same ((word or write or bit) adj line) ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:20
S116	12319	((protect\$3 or coat\$3 or passiv\$5)) same (((word or write or bit) adj line) or ((magnetoresist\$4 with memory) or mram or mtj or tmr or gmr or cmr))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:20
S117	261	S112 S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:20

S118	176958	(protect\$3 or coat\$3 or passivat\$3) with (" nm" or " mu.m" or ".ang.")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:21
S119	91	S117 S118	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:21
S120	79	S112 S116 ((cross adj point) or matrix or array)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/14 14:26
S123	9	mram (passiv\$5 with (diamond or DLC or carbon))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 11:39
S124	33	mram with (thin\$4 near3 (line or conductor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 16:13
S125	0	(10/603351).APP.	USPAT; USOCR	AND	ON	2009/11/20 16:15
S126	1	(10/669481).APP.	USPAT; USOCR	AND	ON	2009/11/20 16:17
S127	27	("20020034117"   "20020080643"   "20020127743"   "20020176272"   "20040174728"   "5659499"   "5940319"   "6153443"   "6211090"   "6335890"   "6678187").PN. OR ("6940749").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/20 16:17
S128	130	("5329486"   "5640343"   "5768181").PN. OR ("5940319").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/20 16:20
S129	2	("5940319"   "6548849").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/20 16:31
S130	8	mram same ((diamond adj like adj carbon) or DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 16:35

S131	183	mrram ((diamond adj like adj carbon) or DLC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 16:36
S132	3	("7211849").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/20 16:57
S133	2	("6783995").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/20 16:58
S134	74	("5804458"   "5940319"   "6048739").PN. OR ("6165803").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/20 17:02
S135	45	(upper adj2 (line or conductor)) same (lower adj2 (line or conductor)) same thinner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:38
S136	97	(upper adj2 (line or conductor)) same (lower adj2 (line or conductor)) same (thinner or thicker)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:38
S137	0	(upper adj2 (line or conductor)) same (lower adj2 (line or conductor)) same (thinner or thicker) (mrram or mtj or tmr or gmr or cmr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:39
S138	0	(upper adj2 (line or conductor)) same (lower adj2 (line or conductor)) same (thinner or thicker) (mrram or mtj or tmr or gmr or cmr or magneto\$1resist \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:39
S139	282	((word or upper or bit or write) adj2 (line or conductor)) same ((word or lower or bit or write) adj2 (line or conductor)) same (thinner or thicker) (mrram or mtj or tmr or gmr or cmr or magneto\$1resist\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:40

S140	134	((word or upper or bit or write) adj2 (line or conductor)) same ((word or lower or bit or write) adj2 (line or conductor)) with (thinner or thicker) (mram or mtj or tmr or gmr or cmr or magneto\$1resist\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:40
S141	69	((word or upper or bit or write) adj2 (line or conductor)) same ((word or lower or bit or write) adj2 (line or conductor)) with (thinner or thicker) (mram or mtj or tmr or gmr or cmr or magneto\$1resist\$4) @ad<"20031006"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/11/20 21:41
S142	1	(10/263495).APP.	USPAT; USOCR	AND	ON	2009/11/20 21:51
S143	22	("3350180"   "3375091"   "3582912"   "5408377"   "5703805"   "5745408"   "5841692"   "5953248"   "5959880"   "5966012"   "5966323"   "6114719"   "6153320"   "6166948"   "6172904"   "6205053"   "6633498"   "6711052").PN. OR ("6873542").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/20 21:51
S144	14	("20040120185"   "20040195602"   "20050102720"   "20050152180"   "20050214953"   "6365419"   "6473328"   "6545900"   "6682943"   "6778430"   "6815785"   "6873542"   "6940749").PN. OR ("7071009").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/20 21:58
S145	1	(09/961326).APP.	USPAT; USOCR	AND	ON	2009/11/20 22:15
L2	9	("20010035545"   "5883828"   "5894447"   "5936882"   "6048739"   "6072718"   "6169688"   "6278631"   "6365419").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/11/23 08:06
L1	2	("6670660").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/23 08:06

